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4. *Salix lucida*, Muhl. This is a small tree with glossy foliage, which is found in similar situations with the *S. sericea*.

5. *Salix nigra*, Marshall. This is a well marked tree with black bark and yellow branches. I have not observed that it is variable. Indeed I have seen no young trees, but a number of old and picturesque ones over-hanging streams or shading watering-troughs on old farms, doubtless planted there.

6. *Salix cordata*, Muhl. A shrub growing in sandy flats subject to inundation. This is the most variable plant in its foliage, I think, that I have ever met with. I should find it impossible to fix upon any definite characteristics of leaf or stipule. In the summer or fall it is difficult to believe that these Protean forms do not embrace several species, but the catkins reduce them to unity in the spring.

Of the species of *Salix* which are called *adventive*, we have two :—

7. *Salix alba*, L. A fine tree growing by the roadside and near, but not directly upon, the banks of streams.

8. *Salix purpurea*, L. This shrub I found in a hollow place in the middle of an island in the Connecticut river. These were staminate plants, but they seemed to be thriving and extending. It must have been introduced there in some accidental way.

There ought to be and probably are several more of our native willows in this locality, but I have not discovered them.

I find the species of willows easier to distinguish at a distance of thirty to fifty rods than by a closer inspection. Several of the above have quite a marked character at a considerable distance, which seems to vanish on a nearer approach.

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36. Publications.—1. *The Lens, a Quarterly Journal of Microscopy and the Allied Natural Sciences*; No. 2, April, 1872; Chicago.—Mr. Babcock's Flora of Chicago is continued from Saxifragaceæ to Campanulaceæ. It is interesting to notice how many of the plants most abundant with us are rare or wanting. *Leucanthemum vulgare*, L., is even "cultivated in a garden." To students of cryptogamic botany this publication must prove of great value.—2. *Mann's Catalogue, second edition, revised and corrected*. B. Pickman Mann, Cambridge, Mass. The preface contains the new species not yet included in Gray's Manual, such as, *Arceuthobium minutum*, Engelm. *Danthonia compressa*, Aust.—3. In the *Naturalist* for May, Dr. Gray calls attention to a question raised by Babington as to *Anacharis*. "It may be that we have two water weeds. . . one dioecious, the other hermaphrodite. It is to be hoped that our botanists will examine the plants they meet, and preserve specimens of any different kinds or sexes of flowers they may detect."

37. Mann's Duplicates.—Mrs. Mary Mann, 19 Follen street, Cambridge, Mass., offers for sale foreign and native sets of these duplicates. Collectors would do well to send for a circular.

38. Orchids.—*Pagonia verticillata*, Nutt., and *Cypripedium parviflorum*, Salisb.; in bloom May 19th, between Tennaflly and the Hudson.

G. I. C.